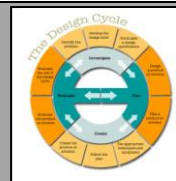


Computer Technology

[Information] [Systems]

MYP Year 4

8 weeks



“Natural Phenomenon” Animation

Guiding Question: How does the world around us work?

Introduction

- A natural phenomenon is something that occurs in nature such as a volcano, hurricane, tsunami, gravity, snow, a baby rabbit being born, a rainbow, or a tadpole turning into a frog. Depending on who or what you are, a natural phenomenon can be destructive, necessary, amazing, beautiful, ...
- A computerized animation is a good way to teach people, especially young people and visual learners, about how a phenomenon occurs in nature.
- An animation is easier to create if it is well planned and broken down into smaller, more manageable steps. Follow “the Design Cycle” in creating our animations.
- The question is, “How do natural phenomena occur?”

LINKS

Areas of Interaction	Approaches to Learning	<ul style="list-style-type: none">• Developing IT animation skills• Breaking an event into smaller parts• Practicing the important stages of the design cycle• Practicing ways to research and communicate information effectively
	Human Ingenuity	<ul style="list-style-type: none">• Creating an animation in order to help others learn about how a certain natural phenomenon occurs
	Environments	<ul style="list-style-type: none">• Discovering how a natural phenomenon happens
Subjects	Arts	<ul style="list-style-type: none">• Use of colour, hues, shading, and whitespace, to make a message clear• Using cartooning skills to model a real world natural phenomenon
	Students will decide on other subject links, depending on the topic of their animation	<ul style="list-style-type: none">• Students will identify what aspect of the subject they have learned or demonstrated (ex. Science, Geography, etc.)

Challenge

Use “the Design Cycle” to produce a computer animation that demonstrates how a natural phenomenon occurs or what it looks like, and includes interesting facts about the phenomenon.